

Customer No.: 31561
Docket No.: 21399-US-PA
Application No.: 10/826,176

In the Claims

1. (currently amended) An array optical subassembly for an array optical active component, comprising:

a substrate having two opposite surfaces, wherein a lens array is formed on one surface and multiple metal pads, multiple metal lines and a first set of alignment keys are formed on the other surface;

at least one optical active component deposited on the substrate, wherein the at least one optical active component has a multiple source array corresponding to the lens array of the substrate, multiple first terminals corresponding to the metal pads, and a second set of alignment keys corresponding to the first set of alignment keys of the substrate; and

a pair of guide rods, protruding from the substrate for inserting to a fixing positions.

~~a driver IC connected on the substrate, wherein the driver IC has multiple second terminals corresponding to the metal pads;~~

~~a circuit board connected on the substrate, wherein the circuit board has multiple third terminals corresponding to the metal pads; and~~

~~a cover covering the substrate, the at least one optical active component, the driver IC and the circuit board.~~

2. (canceled)

3. (original) The array optical subassembly as claimed in claim 1, wherein the source

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array of the at least one optical active component is composed of lasers.

4. (original) The array optical subassembly as claimed in claim 1, wherein the source array of the at least one optical active component is composed of light detectors.

5-7. (canceled)

8. (currently amended) The array optical subassembly as claimed in claim 1, further comprising a connecting set having a recess and a pair of holes~~[[two opposite holes and the surface forming the lens array further forms two opposite guide rods]]~~, wherein the ~~[[two opposite]]~~pair of guide rods are respectively inserted to the ~~[[two opposite]]~~pair of holes.

9. (currently amended) The array optical subassembly as claimed in claim 8, ~~[[wherein the connecting set further defines one recess for retaining]]~~ further comprising a fiber connector being retained in the recess ~~[[with an optical fiber array, wherein the optical fiber array has one optical axis which is parallel with the optical axis of each lens array]]~~.

10-20. (canceled)